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NOTICE OF ALLOWANCE AND FEE(S) DUE

26181

7590

08/19/2009

FISH & RICHARDSON P.C. PO BOX 1022 MINNEAPOLIS, MN 55440-1022 EXAMINER

KIM, EUNHEE

ART UNIT PAPER NUMBER

2123

DATE MAILED: 08/19/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/085,528	02/25/2002	Mark W. Lambert	15786-035001	9800

TITLE OF INVENTION: METHOD AND APPARATUS FOR SIMPLIFIED PATTERNING OF FEATURES IN A COMPUTER AIDED DESIGN (CAD) MODEL

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$0	\$0	\$1510	11/19/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

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If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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FISH & RICH. PO BOX 1022 MINNEAPOLIS			Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.					
								(Depositor's name)
								(Signature)
								(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/085,528	02/25/2002	•	Mark W. Lamber	t			15786-035001	9800
TTLE OF INVENTION MODEL	N: METHOD AND APP.	ARATUS FOR SIMPLIF	TED PATTERNING (OF FI	EATURES IN A (COMPU	JTER AIDED DESIGN	N (CAD)
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSUE	E FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$0		\$0		\$1510	11/19/2009
EXAM	IINER	ART UNIT	CLASS-SUBCLASS	s				
KIM, E	UNHEE	2123	703-002000					
. Change of correspond FR 1.363). Change of corresp Address form PTO/SI "Fee Address" in PTO/SB/47; Rev 03-C Number is required.	(1) the names of u or agents OR, alter (2) the name of a sregistered attorney	of a single firm (having as a member a orney or agent) and the names of up to patent attorneys or agents. If no name is						
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_ ` .	tus (from status indicated as SMALL ENTITY state		Dh. Applicant is no	long	sor claiming SMAI	I ENT	ПТҮ status. See 37 СF	P 1 27(a)(2)
OTE: The Issue Fee an	d Publication Fee (if rea		d from anyone other th		-			e assignee or other party in
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10/085,528	02/25/2002	Mark W. Lambert	15786-035001	9800	
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FISH & RICHA	RDSON P.C.	KIM, E	UNHEE		
PO BOX 1022		ART UNIT	PAPER NUMBER		
MINNEAPOLIS,	MN 55440-1022	2123			
		DATE MAILED: 08/19/2009			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 644 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 644 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)				
	10/085,528	LAMBERT ET AL.				
Notice of Allowability	Examiner	Art Unit				
	Eunhee Kim	2123				
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comr IGHTS. This application is	in this application. If not included nunication will be mailed in due course. TH				
2. ☑ The allowed claim(s) is/are <u>1-9,11-13 and 15-40</u> .						
3. ☐ Acknowledgment is made of a claim for foreign priority ur a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	be been received. been received in Applicate cuments have been received of this communication to fi	ion No ed in this national stage application from th				
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).						
 DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT 						
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5 ☐ Notice of	nformal Patent Application				
 Notice of References Cited (PTO-692) Divide of Draftperson's Patent Drawing Review (PTO-948) 	6. ☐ Interview	Summary (PTO-413), ./Mail Date				
3. Information Disclosure Statements (PTO/SB/08),		s Amendment/Comment				
Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ⊠ Examiner 9. □ Other	s Statement of Reasons for Allowance 				

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DETAILED ACTION

1. The amendment filed 05/18/2009 has been received and considered.

Claims 1-9, 11-13, and 15-40 are presented for examination.

Allowable Subject Matter

- 2. Claim 1-9, 11-13, and 15-40 are allowed.
- 3. The following is a statement of reasons for the indication of allowable subject matter:
- a. The Feb.3, 2001 version of the official corporate website of D-cubed, Ltd. of Cambridge, England, reads upon the claimed invention as stored in the "Internet Wayback Machine". (http://lweb.archive.orqlweb1200102010708001http://lwww.d-cubed.co.uk) D-cubed, Ltd. is the developer of the 2D Dimensional Constraint Manager product. (Referred to as "the D-cubed reference").
- b. D-Cubed, Ltd. The 2D DCM Manual, Version 4.2. January 2002. ("2D DCM Manual").
 - c. Wakelam et al. (US Patent No. US 6859768 B1).

While the D-cubed reference teaches a method receiving an indication of modification to the CAD geometry piece, modifying continuous enclosure of the pattern be continuously enclosed within the boundary of the modified CAD geometry piece, based at least upon the modified CAD geometry piece and the received input, 2D DCM Manual teaches modifying the CAD geometry piece based upon the received indication, and Wakelam et al. teaches receiving a user-specified input defining a feature for a pattern and at least one inter-feature distance, the

features of the plurality being evenly spaced relative to each other, the features of the plurality included within a boundary of a CAD geometry piece, and where feature corresponds to a feature of the CAD geometry piece,

Page 3

nor the prior art of record discloses a method for the simplified patterning of features in a computer aided design, including:

(Claim 1) "receiving... a minimum boundary-to-feature distance... modifying the boundary of the geometry piece ... wherein the maintaining continuous enclosure of the pattern is performed by... removing features from the pattern so that the minimum boundary-to-feature distance is satisfied with the remaining features included within the modified boundary.",

(Claim 12) "receiving... a minimum boundary-to-feature distance... modifying the boundary of the geometry piece... wherein the maintaining continuous enclosure of the pattern comprises... removing features from the pattern so that the remaining features included within the modified boundary satisfy the minimum boundary-to-feature distance.",

(Claim 23) "receiving... a minimum boundary-to-feature distance... modifying the boundary of the geometry piece... wherein the maintaining continuous enclosure of the pattern comprises... removing features from the pattern so that the remaining features included within the modified boundary satisfy the minimum boundary-to-feature distance.", and

(Claim 34) "receiving ... a feature for a pattern... included within a boundary of a ... geometry piece, ... modifying ...and... maintaining continuous enclosure of the pattern ... removing one or more features from the pattern.",

in combination with the remaining elements and features of the claimed invention.

It is for these reasons that the applicant's invention defines over the prior art of record.

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Conclusion

4. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Eunhee Kim whose telephone number is 571-272-2164. The

examiner can normally be reached on 8:30am-5:00pm Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Paul Rodriguez can be reached on 571-272-3753. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Eunhee Kim/

Examiner, Art Unit 2123

/Paul L Rodriguez/

Supervisory Patent Examiner, Art Unit 2123